

FALL WIND INVESTIGATION

Have you ever noticed how some fall days are calm while others send leaves blowing everywhere? Fall is a great time to observe how wind changes from day to day.

Let's investigate wind strength and direction over one week.

INSTRUCTIONS:

STEP 1: Question: How does the wind change from day to day during fall?

STEP 2: Hypothesis: I think the wind will be stronger on some days than others and may come from different directions.

STEP 3: Experiment: Observe the wind outside at the same location and about the same time each day for one week. Record the wind as calm, light, breezy, or strong. Note the wind direction if possible.

STEP 4: Observation: Collect your wind data for one week. Look for clues such as moving leaves, grass, flags, and tree branches. Compare the wind strength and direction from day to day.

STEP 5: Conclusion: Analyze your observations. Which day was the windiest? Which was the calmest? Did the wind usually come from the same direction, or did it change?

SUPPLIES

Fall Wind Tracker
Pencil
Compass, optional
Wind vane or
anemometer
(optional)

THE SCIENCE

Wind is moving air. The Sun heats Earth's surface unevenly, creating differences in air temperature and pressure. Air moves from areas of higher pressure toward areas of lower pressure, creating wind.

Scientists describe wind by its speed and direction. A wind vane shows the direction the wind is coming from, while an anemometer measures wind speed. Tracking wind over several days helps us notice patterns and learn more about changing fall weather.

Fall Wind Observations

Use this worksheet to process and evaluate your work.

DAY	WIND STRENGTH	WIND DIRECTION	WEATHER CONDITIONS	WHAT I NOTICED

How to use:

Wind Strength: Record the wind as calm, light, breezy, or strong.

Wind Direction: Record the direction the wind is coming from.

Weather Conditions: Note sunny, cloudy, rainy, cool, warm, etc.

What I Noticed: Record something you saw moving, such as leaves, grass, flags, or branches.

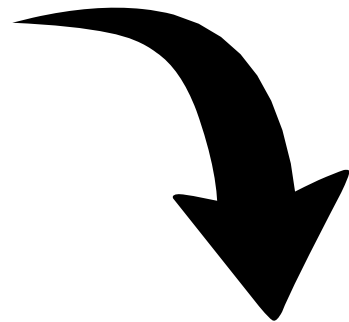
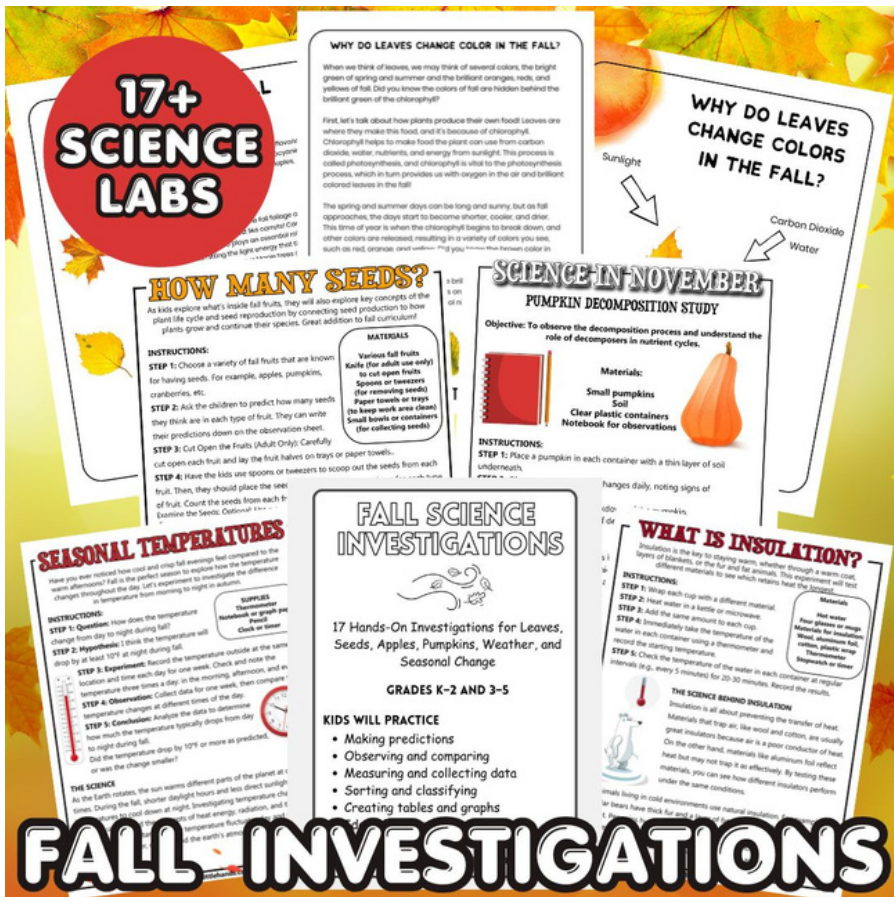
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- ✓ HANDS-ON INVESTIGATIONS
- ✓ OBSERVATION AND DATA COLLECTION
- ✓ REAL SCIENCE MADE APPROACHABLE

👉 FALL SCIENCE INVESTIGATIONS



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